(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



) 0.000 (10.000) 1.000 (10.000) 1.000 (10.000) 1.000 (10.000) 1.000 (10.000) 1.000 (10.000) 1.000 (10.000)

(43) International Publication Date 28 October 2004 (28.10.2004)

PCT

(10) International Publication Number WO 2004/092173 A2

(51) International Patent Classification⁷:

C07D 487/00

(74) Agent: LINKKILA, Timothy P.; 14 Cambridge Center,

(21) International Application Number:

PCT/US2004/011009

(22) International Filing Date:

9 April 2004 (09.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/461,484

9 April 2003 (09.04.2003) US

(71) Applicant (for all designated States except US): BIOGEN IDEC MA INC. [US/US]; 14 Cambridge Center, Cambridge, MA 02142 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PENG, Hairuo [CN/US]; 54 Sherman Road, Chestnut Hill, MA 02467 (US). YAO, Gang [CN/US]; 20 Washbrook Road, Sudbury, MA 01776 (US). VU, Chi [US/US]; 79 Bay State Road, Arlington, MA 02474 (US). PETTER, Russell C. [US/US]; 343 Hudson Road, Stow, MA 01775 (US). KUMARAVEL, Gnanasambandam [IN/US]; 10 Perham Circle, Westford, MA 01886 (US).

Cambridge, MA 02142 (US).

(81) Designated States (unless otherwise indicated, for every

kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

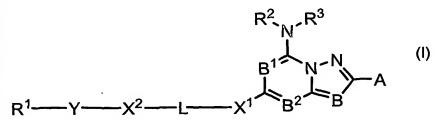
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A2A ADENOSINE RECEPTOR ANTAGONISTS



(57) Abstract: The invention is based on the discovery that compounds of formula (I) possess unexpectedly high affinity for the A_{2a} adenosine receptor, and can be useful as antagonists thereof for preventing and/or treating numerous diseases, including Parkinson's disease. In one embodiment, the invention features a compound of formula (I).

